Haulage Roads



Best Practice Series BP-36



Haulage road conditions can play a big part in the safety of a mining operation. Poor road conditions can make it much more difficult to operate equipment safely.

Hazardous conditions include: grades that are too steep; roadways that are too narrow; inadequate traffic control signs; unstable slopes; poor drainage; problems due to weather conditions; inadequate sight distance at the crest of hills and around curves; and lack of adequate berms or guardrails.

These conditions can lead to loss of control of the truck, collisions with other vehicles, runaway trucks, and trucks going off the roadway and overturning.

Important considerations for keeping haul roads safe include:

- Roadways wide enough to allow the safe passage of the largest equipment that uses the haul road.
- Adequate berms or guardrails on elevated roadways where there is a danger of a vehicle running off the road. Berms higher than axle-height should be used in more critical areas such as at steep grades and sharp curves.

- age accidents. Steep grades have been a factor in haulcapabilities of the equipment using them. road grades compatible with the
- tion. Traffic Q traffic patterns) to help ensure safe operamation (such as speed limits, grades, and provide vehicle operators signs to control traffic with inforflow
- tained, weather conditions. checks should be made Roadways and repaired that are regularly. inspected, after changes in Special main-
- patterns. Drivers trained on any change in traffic
- taken on the mine's haul roads. special driving precautions that should be equipment they are operating, and any tors be instructed on the capabilities of the It is especially important that new opera-
- especially with changes in the weather. anticipate, changes in road Vehicle operators should be alert to, conditions, and
- dangerous road conditions, such as: pany officials of any unusual or potentially Operators should promptly inform com-
- » Poorly drained areas;
- » Soft shoulders;
- × Washed out areas, ruts and gullies;
- × Boulders or debris on the roadway;
- » Ice and snow drifts;
- × below the roadway; or Cracks or unstable slopes above or
- » Excessive dust.



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